

CLAIMS:

- 5 *hTB* 1. A method for the repair or replacement of vocal cord tissues comprising the steps of:
removing the a damaged or diseased portion of a vocal cord, and
replacing the removed portion of a vocal cord with a graft construct comprising vertebrate submucosa or basement membrane.
- 10 2. The method of claim 1 wherein the graft comprises submucosa and the submucosa is selected from the group consisting of intestinal submucosa, urinary bladder submucosa, and stomach submucosa.
- 15 *hTB2* 3. The method of claim 2 wherein the submucosa is intestinal submucosa and comprises the tunica submucosa delaminated from the tunica muscularis and the luminal portion of the tunica mucosa.
4. The method of claim 1 wherein the graft construct comprises
15 vertebrate basement membrane.
5. The method of claim 1 wherein the graft construct comprises 2-12 layers of submucosa.
6. The method of claim 1 wherein the graft construct comprises 4-6 layers of submucosa.
- 20 7. The method of claim 5 wherein the graft construct is formed as a multilayered homolaminate.
8. The method of claim 1 wherein the graft construct comprises a single thickness sheet of submucosa.
- 25 *hTB3* 9. A method for the repair or replacement of damaged or diseased head and neck soft tissues comprising the steps of
removing the a damage or diseased portion of the diseased or damaged tissue, and
replacing the removed portion of tissue with a graft construct comprising vertebrate submucosa or basement membrane.
- 30 10. The method of claim 8 wherein the head and neck soft tissues are selected from the group consisting of vocal cord, larynx, palette, attached gingiva, nasal, and auricular tissues.

11. The use of vertebrate submucosa or vertebrate basement membrane to manufacture a non-immunogenic tissue graft composition for repairing vocal cords and other soft tissues of the head and neck.

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